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**DATE:** September 25, 2007

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**Art Unit:**

**Fax:** 571-273-8300

**From:** Jay J. Hoette

**: RE:**

**: Patent No:** 6,929,187 B2

**: Applicant:** Dale Kempf and Ken Lum

**: Issued:** August 16, 2005

**: Atty. Dkt. No.:** 23988-008US1

**: Title:** WATER CONTROL FIXTURE HAVING  
THERMOSTATICALLY CONTROLLED  
BYPASS VALVE

**DOCUMENTS SUBMITTED WITH TRANSMISSION:**

- Certificate of Facsimile Transmission (1 pg.)
- Combined Power of Attorney and Revocation of Prior Power by Assignee of Entire Interest and Submission Under 37 CFR § 3.71 and 3.73(b) and Change of Correspondence Address (2 pgs.)
- Schedule A (5 pgs.)

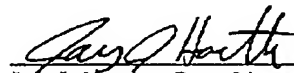
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**Date:** September 25, 2007

  
Jay J. Hoette, Reg. No.: 50,666

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PATENT  
Tyco Dkt No. 23988-0001US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

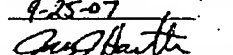
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9-25-07  
  
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**COMBINED POWER OF ATTORNEY AND  
REVOCATION OF PRIOR POWER BY ASSIGNEE OF ENTIRE INTEREST  
AND SUBMISSION UNDER 37 C.F.R. §§ 3.71 AND 3.73(b) AND  
CHANGE OF CORRESPONDENCE ADDRESS**

As an officer of **GRUNDFOS PUMPS CORPORATION** ("Assignee"), I hereby certify that Assignee is the owner by assignment of the entire right, title, and interest in and to the identified patent applications attached hereto as **Schedule "A"** by virtue as evidenced by the Assignment from the inventor(s).

Pursuant to 37 C.F.R. § 3.71, Assignee hereby states that prosecution of the identified patent applications listed on **Schedule "A"** are to be conducted to the exclusion of the inventor(s).

The undersigned (whose title is supplied below) is authorized and empowered to sign this statement on behalf of Assignee.

**REVOCATION OF PRIOR POWERS OF ATTORNEY AND  
NEW POWER OF ATTORNEY**

As assignee of record of the entire right, title and interest in the identified patent applications on the attached **Schedule "A"**, per the Statement under 37 C.F.R. §§ 3.71 and 3.73(b), all powers of attorney previously given are hereby revoked, I hereby appoint the following registered patent attorney(s) and/or agent(s):

PATENT  
Tyco Dkt No. 23988-0001US1

Dean D. Small, Registration No.: 34,730  
Evan R. Sotiriou, Registration No.: 46,247  
Jay J. Hoette, Registration No.: 50,666  
Philip A. Shipley, Registration No.: 51,357  
Anita J. Lemke, Registration No.: 51,935  
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Jason P. Gross, Registration No: 58,098

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to prosecute the identified patent applications listed on Schedule "A" and transact all business in the U.S. Patent and Trademark Office connected herewith.

### CHANGE OF CORRESPONDENCE ADDRESS

Address all correspondence to:

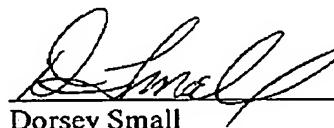
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The undersigned hereby declares that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Title 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application(s) or any patent issuing thereon.

Respectfully submitted,

**GRUNDFOS PUMPS CORPORATION**

Date: 9-10-07



Dorsey Small  
R&D Manager, NAMREG R&D

PATENT  
Atty Dkt No. 23988-0001US1

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**GRUNDFOS PUMPS CORPORATION**

**SCHEDULE "A"**

**Title:** CIRCULATING PUMP  
**Inventor(s):** Dale Kempf and Ken Lum  
**S.N.:** 09/195,780  
**Filed:** November 18, 1998  
**Reel/Frame:** N/A  
**Patent No.:** 6,082,976  
**Issue Date:** July 4, 2000  
**Atty Dkt No.** 23988-0005US1

**Title:** VARIABLE WIDTH PUMP IMPELLER  
**Inventor(s):** Ken Lum  
**S.N.:** 09/861,442  
**Filed:** May 21, 2001  
**Reel/Frame:** N/A  
**Patent No.:** 6,419,450 B1  
**Issue Date:** July 16, 2002  
**Atty Dkt No.** 23988-0006US1

**Title:** THERMOSTATICALLY CONTROLLED BYPASS VALVE  
AND WATER CIRCULATING SYSTEM FOR SAME  
**Inventor(s):** Ken Lum and Dale Kempf  
**S.N.:** 09/697,520  
**Filed:** October 25, 2000  
**Reel/Frame:** 013704/0251  
**Patent No.:** 6,536,464 B1  
**Issue Date:** March 25, 2003  
**Atty Dkt No.** 23988-0007US1

PATENT  
Atty Dkt No. 23988-0001US1

**Title:** WATER CONTROL FIXTURE HAVING  
THERMOSTATICALLY CONTROLLED BYPASS VALVE  
**Inventor(s):** Dale Kempf and Ken Lum  
**S.N.:** 10/006,970  
**Filed:** December 4, 2001  
**Reel/Frame:** 013960/0405  
**Patent No.:** 6,929,187 B2  
**Issue Date:** August 16, 2005  
**Atty Dkt No.:** 23988-0008US1

**Title:** WATER PUMP AND THERMOSTATICALLY  
CONTROLLED BYPASS VALVE  
**Inventor(s):** Dale Kempf and Ken Lum  
**S.N.:** 10/394,795  
**Filed:** March 21, 2003  
**Reel/Frame:** 014586/0122  
**Atty Dkt No.:** 23988-0009US1

**Title:** APPARATUS AND SYSTEM FOR RETROFITTING  
WATER CONTROL VALVES  
**Inventor(s):** Dale Kempf and Ken Lum  
**S.N.:** 10/832,492  
**Filed:** April 27, 2004  
**Reel/Frame:** N/A (Assignment Information Not Available)  
**Patent No.:** 7,198,059  
**Issue Date:** April 3, 2007  
**Atty Dkt No.:** 23988-0010US1

**Title:** THERMOSTATICALLY CONTROLLED BYPASS VALVE  
**Inventor(s):** Dale Kempf  
**S.N.:** 11/702,744  
**Filed:** February 5, 2007  
**Reel/Frame:** 018950/0359  
**Atty Dkt No.:** 23988-0010US2

**Title:** WATER CONTROL VALVE ASSEMBLY  
**Inventor(s):** Dale Kempf  
**S.N.:** 11/702,743  
**Filed:** February 5, 2007  
**Reel/Frame:** 018950/0369  
**Atty Dkt No.:** 23988-0010US3

PATENT  
Atty Dkt No. 23988-0001US1

**Title:** WATER CONTROL FIXTURE HAVING  
THERMOSTATICALLY CONTROLLED BYPASS VALVE  
**Inventor(s):** Dale Kempf and Ken Lum  
**S.N.:** 11/173,572  
**Filed:** July 1, 2005  
**Reel/Frame:** 013960/0405 (Parent - 23988-008US1)  
**Atty Dkt No.** 23988-0011US1 (Continuation of 23988-008US1)

**Title:** WATER CONTROL FIXTURE HAVING BYPASS VALVE  
**Inventor(s):** Dale Kempf  
**S.N.:** 11/827,926  
**Filed:** July 12, 2007  
**Reel/Frame:** 013960/0405 (23988-008US1)  
**Atty Dkt No.** 23988-0011US2 (Continuation of 23988-0011US1)

**Title:** WATER CIRCULATING SYSTEM HAVING  
THERMOSTATICALLY CONTROLLED BYPASS VALVE  
**Inventor(s):** Dale Kempf and Ken Lum  
**S.N.:** 11/172,681  
**Filed:** July 1, 2005  
**Reel/Frame:** 013960/0405 (Parent - 23988-008US1)  
**Atty Dkt No.** 23988-0012US1 (Divisional of 23988-0008US1)

**Title:** WATER CIRCULATING SYSTEM HAVING  
THERMOSTATICALLY CONTROLLED BYPASS VALVE  
**Inventor(s):** Dale Kempf and Ken Lum  
**S.N.:** 11/594,470  
**Filed:** November 8, 2006  
**Reel/Frame:** 019016/0079  
**Atty Dkt No.** 23988-0012US2

**Title:** ELECTROLYSIS-RESISTANT COUPLING ASSEMBLY  
FOR VALVES  
**Inventor(s):** Ken Lum  
**S.N.:** 11/246,991  
**Filed:** October 7, 2005  
**Reel/Frame:** 017112/0819  
**Atty Dkt No.** 23988-0020US1

PATENT  
Atty Dkt No. 23988-0001US1

**Title:** **INTERGRAL UNIVERSAL COUPLING ASSEMBLY FOR A FLUID DISTRIBUTION SYSTEM AND METHOD OF USING THE SAME**

Inventor(s): Ken Lum  
S.N.: 11/483,082  
Filed: July 6, 2006  
Reel/Frame: 018051/0260  
Atty Dkt No. 23988-0021US1

**Title:** **UNIVERSAL FLUID COUPLING ASSEMBLY WITH INTERCHANGEABLE FITTING MEMBERS**

Inventor(s): Ken Lum  
S.N.: 11/476,272  
Filed: June 28, 2006  
Reel/Frame: 018022/0894  
Atty Dkt No. 23988-0022/CIP (Continuation in Part of 23988-0020US1)

**Title:** **FAIL CLOSED BYPASS VALVE AND WATER CIRCULATING SYSTEM FOR SAME**

Inventor(s): Ken Lum  
S.N.: 60/850,171  
Filed: October 5, 2006  
Reel/Frame: N/A  
Atty Dkt No. 23988-0028/P

**Title:** **MULTISTAGE PUMP ASSEMBLY**

Inventor(s): Svend Amdisen, Greg Towsley, Ryan Haack and Joshua Talley  
S.N.: 60/850,871  
Filed: October 10, 2006  
Reel/Frame: N/A  
Atty Dkt No. 23988-0029/P

**Title:** **METHOD AND SYSTEM FOR CONTROLLED RELEASE OF HOT WATER FROM A FIXTURE**

Inventor(s): Ken Lum  
S.N.: 60/857,556  
Filed: November 8, 2006  
Reel/Frame: N/A  
Atty Dkt No. 23988-0030/P

PATENT  
Atty Dkt No. 23988-0001US1

**Title:** **WATER CIRCULATION SYSTEM VALVE ASSEMBLIES  
HAVING WATER TEMPERATURE CONTROL**  
**Inventor(s):** Ken Lum  
**S.N.:** 11/825,059  
**Filed:** July 2, 2007  
**Reel/Frame:** N/A (Assignment Information Not Available)  
**Atty Dkt No.** 23988-0031US1

**Title:** **WATER CONTROL FIXTURE HAVING AUXILLIARY  
FUNCTIONS**  
**Inventor(s):** Ken Lum and Dale Kempf  
**S.N.:** 60/958,145  
**Filed:** July 2, 2007  
**Reel/Frame:** N/A  
**Atty Dkt No.** 23988-0032US1